

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/955,558
Filing Date	September 17, 2001
First Named Inventor:	Mark Greenberg
Art Unit	2631 2133
Examiner Name	Unassigned
Attorney Docket Number	004259. P050

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
SIO		US-	6,157,997		Oowaki et al.	
SAB		US-	5,778,192		Schuster et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
SIO		EP	0 762 777 A2		Uchiumi, Tadashi		

Examiner Signature	Stephan M. B. Zeman	Date Considered	1/10/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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09/955,558

September 17, 2001

Mark Greenberg

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Unassigned

004259. P050

NON PATENT LITERATURE DOCUMENTS

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PATENT ABSTRACTS OF JAPAN, vol. no.11, December 26, 1995, & JP 07 226777 A (HITACHI LTD), August 22, 1995, Abstract

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Stephen M. Belton

Date 1/10/04
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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 04259.P050	Application Number: 09/955,558
		First Named Inventor: Mark Greenberg, et al.	RECEIVED MAR 03 2002 Technology Center 2600
		Filing Date: September 17, 2001	

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
					RECEIVED JUN 04 2002 Technology Center 2100	
SJB		6,148,043		Fujimoto	11/14/2000	
SJB		6,141,391		Morelos-Zaragoza, et al.	10/31/2000	
SJD		6,138,265		Morelos-Zaragoza, et al.	10/24/2000	
SJD		6,119,265		Hara	09/12/2000	
SJB		5,974,095		Kitaura, et al.	10/26/1999	
SJD		6,195,642	B1	Izumi, et al.	02/27/2001	
SJB		6,122,325		Mogre, et al.	09/19/2000	
SMB		6,049,573		Song	04/11/2000	
SJB		6,005,640		Strolle, et al.	12/21/1999	

FOREIGN PATENT DOCUMENTS

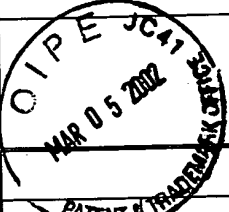
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				

Examiner Signature		Date Considered	6/10/04
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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		First Named Inventor: Mark Greenberg, et al.	RECEIVED MAR 08 2002 Technology Center 2600
		Filing Date: September 17, 2001	
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
SB	✓	JOHN G. PROAKIS, Block and Convolutional Channel Codes , Digital Communications, Fourth Edition, Pages 416 - 547, McGraw-Hill Series in Electrical and Computer Engineering, New York, NY.	
SD	✓	"www.inventra.com/inventra/softcore/workshop/MultiRaFiltDes95/" MENTOR GRAPHICS, Hardware Design of Decimators/Interpolators, Pages 1-38.	
SD	✓	"www.mentor.com/inventra/softcore/workshop/SDmod95/", MENTOR GRAPHICS, Introduction to AD/DA Converters, Pages 1-27.	
SD	✓	http://www.mentor.com/inventra/softcore/workshop/SDHWDDes95/ MENTOR GRAPHICS, Design of the Decimation & Interpolation Filters, Pages 1-57.	
SD	✓	http://www.mentor.com/inventra/softcore/workshop/Applications95/ , MENTOR GRAPHICS, Sigma Delta Converter Applications, Pages 1-5.	

Examiner Signature	<i>Stephen H. Baker</i>	Date Considered	1/10/04
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